

**TABLE 1: PORTLAND WASTE DISPOSAL DEPOT - RESULTS OF LABORATORY ANALYSIS
FEBRUARY 2024 SURFACE WATER**



				Sample ID	SW1
				Sample Date	22/02/2024 12:00 AM
Group	Analyte	LOR	Units	Criteria	PS
Physical Parameters	pH (Lab)	0	No unit	6.0 - 8.5	7.7
	Chemical Oxygen Demand	10	mg/L	-	100
	Total Suspended Solids	5	mg/L	30	16
Alkalinity	Total Alkalinity as CaCO3	5	mg/L	350	240
Anions	Chloride	0.05	mg/L	350	92
	Fluoride	0.1	mg/L	1	0.31
	Sulfate (SO4)	1	mg/L	-	250
Cations	Calcium (Ca)	0.2	mg/L	1000	96
	Magnesium (Mg)	0.1	mg/L	-	29
	Potassium (K)	0.1	mg/L	-	110
	Sodium (Na)	0.5	mg/L	230	48
Forms of Carbon	Total Organic Carbon	0.2	mg/L	-	40
Nutrients	Ammonia (NH3) as N	0.01	mg/L	-	0.08
	Nitrate (NO3) as N	0.005	mg/L	-	< 0.005
Trace Metals	Iron (Fe)	0.005	mg/L	0.2	0.29
	Manganese (Mn)	0.001	mg/L	0.2	0.11
Phenolics	Total Phenols	0.05	mg/L	-	< 0.05

- mg/L milligrams per litre
- µS/cm microsiemens per centimetre
- LOR limit of reporting
- PS primary sample
- RB rinsate blank
- FD field duplicate
- FT field triplicate
- Criteria Criteria adopted from *Australian and New Zealand Environment and Conservation Council (ANZECC) Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ) Australian and New Zealand Guidelines for Fresh and Marine Water Quality - 'Primary Industries: Water quality for irrigation and general water use', 2000, and/or*
- 'Concentration Limits' in Section L2.4 of NSW EPA Environment Protection Licence 10936
- within criteria
- criteria exceeded